

| L Number | Hits | Search Text | DB | Time stamp |
|----------|--------|--|--|------------------|
| 1 | 3 | "delay spread" same ((combin\$4 or sum\$4) with signal) same buffer | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 06:47 |
| 2 | 4 | "delay spread" same ((combin\$4 or sum\$4) with signal) same buffer\$4 | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 06:57 |
| 3 | 2 | 20010004379.did. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 07:50 |
| 8 | 2495 | (dft or fft or "fourier transform") same ((combin\$4 or sum\$4) with signal) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 07:24 |
| 9 | 1190 | (dft or fft or "fourier transform") with ((combin\$4 or sum\$4) with signal) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 07:24 |
| 10 | 154 | ((dft or fft or "fourier transform") with ((combin\$4 or sum\$4) with signal)) same noise | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 07:25 |
| 11 | 894 | ((dft or fft or "fourier transform") with ((combin\$4 or sum\$4) with signal)) and (@ad<20010122 or @rlad<20010122) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 07:26 |
| 15 | 118 | ((dft or fft or "fourier transform") with ((combin\$4 or sum\$4) with signal)) same noise and (@ad<20010122 or @rlad<20010122) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 08:38 |
| 16 | 44 | rake same (fft or dft or "fourier transform") | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 07:29 |
| 19 | 248022 | ((combin\$4 or sum\$4) with signal) same (transformed (symbol or signal)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 07:51 |
| 20 | 248022 | ((combin\$4 or sum\$4) with signal) with (transformed (symbol or signal)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 07:52 |
| 21 | 350 | ((combin\$4 or sum\$4) with signal) same (transformed adj (symbol or signal)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 07:52 |

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| 22 | 250 | ((combin\$4 or sum\$4) with signal) with (transformed adj (symbol or signal)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 07:52 |
| 23 | 50 | ((combin\$4 or sum\$4) with signal) adj7 (transformed adj (symbol or signal)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 07:52 |
| 24 | 42 | ((combin\$4 or sum\$4) with signal) adj7 (transformed adj (symbol or signal))) and (@ad<20010122 or @rlad<20010122) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 08:37 |
| 27 | 1 | ((combin\$4 or sum\$4) with signal) adj7 (transformed adj (symbol or signal))) and (@ad<20010122 or @rlad<20010122)) and (channel adj estimat\$5) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 08:37 |
| 28 | 1 | ((combin\$4 or sum\$4) with signal) adj7 (transformed adj (symbol or signal))) and (@ad<20010122 or @rlad<20010122)) and (channel near2 estimat\$5) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 08:38 |
| 29 | 8 | ((dft or fft or "fourier transform") with ((combin\$4 or sum\$4) with signal)) same noise) and (@ad<20010122 or @rlad<20010122)) and (channel near2 estimat\$4) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 08:55 |
| 30 | 27 | (US-6144711-\$ or US-6128276-\$ or US-6088349-\$ or US-6038450-\$ or US-6005876-\$ or US-5867478-\$ or US-5915210-\$ or US-5828660-\$ or US-5802044-\$ or US-5452288-\$ or US-6643333-\$ or US-6477154-\$ or US-5956642-\$ or US-5568205-\$ or US-6567387-\$ or US-6535501-\$ or US-6545997-\$ or US-6662367-\$ or US-6714528-\$).did. or (US-20020137464-\$ or US-20020027957-\$ or US-20010004604-\$ or US-20020154705-\$ or US-20020086691-\$ or US-20030195017-\$ or US-20010004379-\$).did. or (US-20010004379-\$).did. | USPAT; US-PGPUB; US-PGPUB; DERWENT | 2004/07/14 09:20 |
| 34 | 12 | ((US-6144711-\$ or US-6128276-\$ or US-6088349-\$ or US-6038450-\$ or US-6005876-\$ or US-5867478-\$ or US-5915210-\$ or US-5828660-\$ or US-5802044-\$ or US-5452288-\$ or US-6643333-\$ or US-6477154-\$ or US-5956642-\$ or US-5568205-\$ or US-6567387-\$ or US-6535501-\$ or US-6545997-\$ or US-6662367-\$ or US-6714528-\$).did. or (US-20020137464-\$ or US-20020027957-\$ or US-20010004604-\$ or US-20020154705-\$ or US-20020086691-\$ or US-20030195017-\$ or US-20010004379-\$).did. or (US-20010004379-\$).did.) and (pilot or training) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 10:32 |
| 44 | 4 | ((US-6144711-\$ or US-6128276-\$ or US-6088349-\$ or US-6038450-\$ or US-6005876-\$ or US-5867478-\$ or US-5915210-\$ or US-5828660-\$ or US-5802044-\$ or US-5452288-\$ or US-6643333-\$ or US-6477154-\$ or US-5956642-\$ or US-5568205-\$ or US-6567387-\$ or US-6535501-\$ or US-6545997-\$ or US-6662367-\$ or US-6714528-\$).did. or (US-20020137464-\$ or US-20020027957-\$ or US-20010004604-\$ or US-20020154705-\$ or US-20020086691-\$ or US-20030195017-\$ or US-20010004379-\$).did. or (US-20010004379-\$).did.) and (pilot or training) and threshold | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 10:32 |
| - | 2 | 20020137464.did. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 06:49 |

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|---|--------|---|--|------------------|
| - | 2 | 20030123383.did. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 10:11 |
| - | 2 | 20020147978.did. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 10:13 |
| - | 2 | 6369758.did. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 10:14 |
| - | 0 | ("545228858020445828660586747859152106005876603845060883496128276584711").PN | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 10:15 |
| - | 20 | ((("5452288") or ("5802044") or ("5828660") or ("5867478") or ("5915210") or ("6005876") or ("6038450") or ("6088349") or ("6128276") or ("6144711"))).PN. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 10:16 |
| - | 10 | ((("5452288") or ("5802044") or ("5828660") or ("5867478") or ("5915210") or ("6005876") or ("6038450") or ("6088349") or ("6128276") or ("6144711"))).PN. | USPAT; US-PGPUB; EPO; IBM_TDB | 2004/07/12 10:43 |
| - | 18553 | sub?carrier\$ or subcarrier\$ or ofdm | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 10:45 |
| - | 79510 | base adj (station site center) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 10:46 |
| - | 53868 | (mobile adj (unit or station)) or (subscriber adj (unit or station)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 10:47 |
| - | 53868 | ((mobile or subscriber) adj (unit or station)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 10:47 |
| - | 210764 | hub or msc or bsc | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 10:48 |
| - | 3730 | (base adj (station site center)) same (((mobile or subscriber) adj (unit or station))) same (hub or msc or bsc) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 10:48 |
| - | 45 | (sub?carrier\$ or subcarrier\$ or ofdm) and ((base adj (station site center)) same (((mobile or subscriber) adj (unit or station))) same (hub or msc or bsc)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 13:37 |

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|---|---------|---|--|------------------|
| - | 139 | "electronic news gathering" | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 16:19 |
| - | 31 | "electronic news gathering" and (sub?carrier\$ or subcarrier\$ or ofdm) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 14:12 |
| - | 8 | "electronic news gathering" and ofdm | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 14:12 |
| - | 10 | 6038450.URPN. | USPAT | 2004/07/12 16:14 |
| - | 6 | ("5267261" "5483668" "5548582" "5613213" "5666366" "5726978").PN. | USPAT | 2004/07/12 16:18 |
| - | 0 | msc same bsc same ofdm | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 16:22 |
| - | 2544 | msc with bsc | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 16:22 |
| - | 16 | (msc with bsc) and ofdm | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/12 16:22 |
| - | 5197 | ofdm | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 06:49 |
| - | 5677354 | "base station" or "base site" or bs or bsc | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 06:50 |
| - | 1649210 | "mobile unit" or "subscriber unit" or "mobile terminal" or su or mt or mu | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 06:51 |
| - | 240 | ofdm and (("base station" or "base site" or bs or bsc) same ("mobile unit" or "subscriber unit" or "mobile terminal" or su or mt or mu)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 06:52 |
| - | 97 | (ofdm and (("base station" or "base site" or bs or bsc) same ("mobile unit" or "subscriber unit" or "mobile terminal" or su or mt or mu))) and (@ad<20010122 or @rlad<20010122) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 07:52 |
| - | 2 | 6567387.URPN. | USPAT | 2004/07/13 07:18 |
| - | 17 | ("5752193" "5815488" "5923650" "5933421" "5936949" "6049543" "6058105" "6064662" "6069883" "6097771" "6144711" "6163547" "6192026" "6243367" "6278697" "6317435" "6400699").PN. | USPAT | 2004/07/13 07:19 |

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| - | 15204 | uplink or "reverse channel" | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 07:51 |
| - | 3642330 | sum\$3 add\$3 combin\$4 | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 09:55 |
| - | 409 | ofdm and (uplink or "reverse channel") and (sum\$3 add\$3 combin\$4) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 07:52 |
| - | 95 | ofdm and ((uplink or "reverse channel") same (sum\$3 add\$3 combin\$4)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 07:52 |
| - | 33 | (ofdm and ((uplink or "reverse channel") same (sum\$3 add\$3 combin\$4))) and (@ad<20010122 or @rlad<20010122) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 08:22 |
| - | 6016 | soft adj hand\$5 | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 08:23 |
| - | 61 | ofdm and (soft adj hand\$5) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 08:23 |
| - | 17 | (ofdm and (soft adj hand\$5)) and (@ad<20010122 or @rlad<20010122) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 12:37 |
| - | 921 | (uplink or "reverse channel") and (sum\$3 add\$3 combin\$4) and (soft adj hand\$5) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 08:32 |
| - | 415495 | (sum\$3 add\$3 combin\$4) with (signal\$3 or channel\$3 or symbol\$3) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 08:33 |
| - | 2775 | (uplink or "reverse channel") same (sum\$3 add\$3 combin\$4) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 08:33 |
| - | 295 | ((uplink or "reverse channel") same (sum\$3 add\$3 combin\$4)) and (soft adj hand\$5) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 08:33 |
| - | 177 | ((uplink or "reverse channel") same (sum\$3 add\$3 combin\$4)) and (soft adj hand\$5)) and (@ad<20010122 or @rlad<20010122) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 08:34 |

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|---|------|---|--|------------------|
| - | 175 | (((((uplink or "reverse channel") same (sum\$3 add\$3 combin\$4)) and (soft adj hand\$5)) and (@ad<20010122 or @rlad<20010122)) not (((ofdm and ((uplink or "reverse channel") same (sum\$3 add\$3 combin\$4))) and (@ad<20010122 or @rlad<20010122)) or ((ofdm and (soft adj hand\$5)) and (@ad<20010122 or @rlad<20010122)))))) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 08:40 |
| - | 61 | msc with (de?modulat\$4 or demodulat\$4) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 08:40 |
| - | 47 | (msc with (de?modulat\$4 or demodulat\$4)) and (@ad<20010122 or @rlad<20010122) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 08:40 |
| - | 2 | 20030193925.did. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 09:57 |
| - | 1069 | 375.clas. and ofdm | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 09:57 |
| - | 296 | (375.clas. and ofdm) and diversity | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 09:57 |
| - | 176 | ((375.clas. and ofdm) and diversity) and (@ad<20010122 or @rlad<20010122) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/14 07:25 |
| - | 538 | bts same bsc same (hand?over or hand?off or handover or handoff) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 10:01 |
| - | 4 | (bts same bsc same (hand?over or hand?off or handover or handoff)) and ofdm | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 10:01 |
| - | 502 | GPS with "reference signal" | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 11:54 |
| - | 8 | (GPS near3 "reference signal") with transmitter | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 12:37 |
| - | 111 | ofdm near4 tdma | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 12:37 |
| - | 101 | ofdm near3 tdma | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 12:37 |

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|---|-----|---|--|------------------|
| - | 86 | ofdm near2 tdma | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 12:37 |
| - | 45 | ofdm near1 tdma | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 12:38 |
| - | 28 | (ofdm near1 tdma) and (@ad<20010122 or @rlad<20010122) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 12:50 |
| - | 44 | (ofdm near2 tdma) and (@ad<20010122 or @rlad<20010122) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 13:55 |
| - | 16 | ((ofdm near2 tdma) and (@ad<20010122 or @rlad<20010122)) not ((ofdm near1 tdma) and (@ad<20010122 or @rlad<20010122)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 13:45 |
| - | 701 | "propagation delay" near5 buffer\$ | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 13:48 |
| - | 320 | "propagation delay" near2 buffer\$ | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 13:49 |
| - | 0 | ("propagation delay" near2 buffer\$) and ofdm | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 13:49 |
| - | 1 | ("propagation delay" near5 buffer\$) and ofdm | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 13:49 |
| - | 0 | ("propagation delay" near2 buffer\$) same (multiple near2 path) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 13:50 |
| - | 0 | ("propagation delay" near2 buffer\$) same (multi?path or multipath) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 13:50 |
| - | 0 | ("propagation delay" near5 buffer\$) same (multi?path or multipath) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 13:50 |
| - | 34 | ("propagation delay" near5 buffer\$) same combin\$ | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 13:54 |

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|---|------|---|--|------------------|
| - | 65 | (delay near2 buffer\$) and ofdm | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 13:54 |
| - | 41 | ((delay near2 buffer\$) same receiver) and ofdm | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 13:54 |
| - | 37 | ((delay near2 buffer\$) same receiver) and ofdm) and (@ad<20010122 or @rlad<20010122) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 14:24 |
| - | 4472 | (multipath or multi?path) and 375.clas. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 14:23 |
| - | 205 | ((multipath or multi?path) near2 diversity) and 375.clas. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 14:28 |
| - | 167 | ((multipath or multi?path) near2 diversity) and 375.clas.) and (@ad<20010122 or @rlad<20010122) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 14:26 |
| - | 6672 | delay near2 buffer | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 14:28 |
| - | 0 | ((multipath or multi?path) near2 diversity) same (delay near2 buffer) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 14:28 |
| - | 2 | ((multipath or multi?path) near2 diversity) same (delay with buffer) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 14:45 |
| - | 2 | 20020137464.did. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 16:03 |
| - | 3119 | (de?modulat\$ or demodulate) same ((combin\$ or sum\$4) with signal) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 16:06 |
| - | 13 | ((de?modulat\$ or demodulate) same ((combin\$ or sum\$4) with signal)) same bsc | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/07/13 16:07 |